

**Amendments to the Claims:**

This listing of claims will replace all prior versions and/or listings of claims in the application. Amendments to the claims were made to correct typographical errors and for clarification.

**Listing of Claims:**

1-277. (cancelled)

278. (currently amended): A computer software program for determining a front mold, a back mold and a gasket which together produce a mold cavity, the mold cavity being configured to hold a lens forming composition, wherein the lens forming composition is ~~curable~~ at least partially cured by activating light to produce an eyeglass lens having a predetermined prescription, and wherein the software program comprises a plurality of instructions configured to perform operations comprising:

analyzing prescription information to determine the front mold, the back mold, and the gasket for producing the eyeglass lens; and

determining curing conditions for a lens based on the eyeglass prescription, wherein the curing conditions comprise a dosage of activating light, and wherein the prescription information is analyzed to determine the dosage of activating light required to at least partially cure the lens forming composition.

279. (original): The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, and a lens location.

280. (currently amended): The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power and a lens location,

and wherein the prescription information is analyzed by correlating the sphere power, cylinder power and the lens location to ~~an record~~ a record in an information database.

281. (original): The computer software program of claim 279, wherein the prescription information further comprises monomer type and lens type.
282. (original): The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, an add power and a lens location.
283. (original): The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, an add power, and a lens location and wherein the prescription information is analyzed by correlating the sphere power, the cylinder power, the add power, and the lens location to a record in an information database.
284. (original): The computer software program of claim 282, wherein the prescription information further comprises monomer type and lens type.
285. (previously presented): The computer software program of claim 278, wherein the front mold member comprises a front mold identification marking, the back mold member comprises a back mold identification marking, the gasket member comprises a gasket identification marking, and wherein the front mold identification marking comprises an alphanumeric sequence, and wherein the back mold identification marking comprises an alphanumeric sequence, and wherein the gasket identification marking comprises an alphanumeric sequence.
286. (previously presented): The computer software program of claim 278, wherein the front mold member comprises a front mold identification marking, the back mold member comprises a back mold identification marking, the gasket member comprises a gasket identification marking, and wherein the operations further comprise producing a visual

display of the front mold identification marking, the back mold identification marking, and the gasket identification marking subsequent to analyzing the prescription data.

287. (cancelled)
288. (previously presented): The computer software program of claim 278, wherein the operations further comprise controlling a lens curing unit, the lens curing unit being configured to cure the lens forming composition.
289. (previously presented): The computer software program of claim 278, wherein the operations further comprises controlling a lens curing unit, the lens curing unit being configured to cure the lens forming composition, wherein controlling the lens curing unit comprises operating the lens curing unit such that the curing conditions are produced.
290. (original): The computer software program of claim 278, wherein the operations further comprise allowing the eyeglass prescription to be altered after the eyeglass prescription is collected.
291. (original): The computer software program of claim 278, wherein the operations further comprise storing the eyeglass prescription on a computer readable media.
292. (previously presented): The computer software program of claim 278, wherein the operations further comprise controlling a coating unit, the coating unit configured to produce a coating on at least one of the mold members or the eyeglass lens.
- 293-442. (canceled)
443. (previously presented): The computer software program of claim 278, further comprising collecting prescription information which defines the eyeglass prescription.

444. (new) The computer software program of claim 278, wherein the dosage of activating light comprise an intensity of activating light required to at least partially cure the lens forming composition.
445. (new) The computer software program of claim 278, wherein the curing conditions comprise an amount of time required for postcure.
446. (new) The computer software program of claim 445, wherein postcure time comprises an amount of time required for treating the at least partially cured lens composition with heat and additional activating light in a postcure unit.
447. (new) The computer software program of claim 278, wherein the curing conditions comprise an amount of time required for annealing the formed eyeglass lens.
448. (new) The computer software program of claim 278, wherein determining the intensity comprises analyzing the prescription information and determining a type of filter to be used in the lens curing unit.

BEST AVAILABLE COPY